



Annual Report for Non Academic Departments

Department: The Research Center

Academic Year: 2022-2023

This Annual Report for the research center is intended to help the college assess how successfully the strategic plan has been implemented and to give each department a platform to share about its achievements, progress, accomplishments, and any further help that they may need

A. Overview of the research center

Introduction

All faculties and students at Mazoon College have access to the Mazoon College Research Centre. Here, they can present their research findings in the diverse areas of Computing, Informatics, Business Administration, Economics, Psychology, and English Language & Literature. A focus is placed on developing the academic and professional strengths of students and faculties early in the research process. Research activities are encouraged, motivated, and enabled through this program.

Vision

To achieve excellence through research for all Mazoon College faculty members and students.

Mission

Bring world-class knowledge in research to all Mazoon College faculty members and students to adhere to the policies and procedures of Mazoon College pertaining to research and to contribute substantially to the College, its faculties and students, and the wider community through facilitating extensive and productive research activities

Objectives

- To provide guidance for research activities conducted by students and faculty members.
- To provide support in terms of funding to faculties and students both internally and externally.
- To enhance the research culture among students and faculty members.
- To provide assistance on how to publish research articles in reputed journals.

General Research Direction

The following are the research directions Mazoon College aspires to be highlighted and utilized by its researchers.

- Identifying the technical readiness for the college to be equipped for the fourth industrial revolution
- Studying the needs and requirement to move the college towards productive and leading college
- Evaluating and revising the current offered program to meet with the artificial intelligence and the fourth industrial revolution
- Analyzing the labor market needs and ways to incorporate them in the current programs offered at the college
- Encouraging research collaborations with other higher education agencies, industries and labor market sectors

Research Priorities

The Research Management Plan specifies the priority areas for research aligned to the college's teaching strengths in Computing and Informatics Science, English Language Studies, and Economics & Business Studies.

Department	Research Priority Topics
Computing and Informatics	<ul style="list-style-type: none">• Data mining• Web services• Augmented reality• Internet of things• Web services
Economics and Business Studies	<ul style="list-style-type: none">• Entrepreneurship• Marketing• Accounting• Consumer Behavior• Financial Management
English Language	<ul style="list-style-type: none">• Pedagogies• Teaching and learning methodologies• Criticism• Literature
Psychology	<ul style="list-style-type: none">• Applied psychology• Personal development studies• Criminal Justice• Sociological Aspects

B. Staff Profile

#	Name	Qualification	Job Title / Role
1	Dr Saleem Basha - Chair	PhD	Chair
2	Ms Javarria Adnan	Master	Representative from English Language Department
3	Dr. S. Varalakshmi	PhD	Representative from Economics & business studies Department
4	Mr Nasser Al Musalhi	Master	Representative from Computing and Informatics Department
5	Dr Ajitha Eswarmangalam	PhD	Representative from Humanities Department
6	Mr Muhammad Haris	Master	Representative from General Foundation Department

C. Achievements during the Academic Year 2022-2023

1. List of Journal Publications

S L N o	Department	First Author	Additional Authors	Title	Journal Name	Vol	Issue	Page No	Year
1	Computing & Informatics	Dr. Saleem Basha	Dr Mohammad Nasar	Resource Allocation in Cloud: history Kerberos Based Approach	International Journal of Computer Application	184	12	36-43	2022
2	Computing & Informatics	Dr. Saleem Basha		Tangles in IOTA to make crypto currency transactions free and secure	International Journal of Cloud Computing	11	1	13-18	2022
3	Computing & Informatics	Mohammed Ahmed Al-Batahari		Internet benefits and client administrations assurance agreeing to communication bundle and framework during Corona virus	International Journal Of Research And Analytical Reviews	8	2	6	2022
4	Computing & Informatics	Dr Mohammad Nasar		Web 3.0: A Review and its Future	International Journal of Computer Application	185	10	41-46	2023
5	Eco & Bus	Dr Owais Husain		Assessing the corporate financial performance via Managerial autonomy in Oman: Mediating management accounting information system	Open Journal of Social Sciences (JSS)	11	2	462-478	2023
6	Eco & Bus	Dr Owais Husain		Global Drone Revolution and Related Regulatory Framework: A Critical Review, Journal of	Taylor & Francis	25	5	1161-1173	2022

				Statistics and Management Systems					
7	Eco & Bus	Dr Owais Husain		Influence of Government Expenditure on Economic Growth: An Empirical Retrospection Based on ARDL Approach	FIIB Business Review, Published by SAGE Publications	13	2		2022
8	Eco & Bus	Dr Zaheer Ahmed Khan	Dr Owais Husain	The Impact of Entrepreneurial Marketing on Firm Performance: Mediating Effect of Network Diversity and Learning Capacity; Moderating Effect of Competitive Intensity	International Journal of Research –GRANTHAALAYAH	10	8	81–98	2022
9	Eco & Bus	Ms Faiza Amir	Dr Shamseen, Mr Ihsan Ashiq, Dr Edna	Impulsive Buying Behavior of Omani Women in Apparel Industry	European Journal of Business Management	15	2	26-35	2023
10	Eco & Bus	Dr. Edna Saavedra Galvez	Dr. Shamseen Raza	International Trade: “Strategies, Opportunities and Challenges for Multinational Companies”	Global Scientific Journal	10	9	489-504	2022
11	Eco & Bus	Dr Shamsher Khan		An accelerated testing model for the Analysis of Progressive Hybrid Censored Simulated Competing Factors Agricultural Data based on constant stress	AMA, Agricultural Mechanization in Asia, Africa and Latin America	54	2	12045 - 12059	2023
12	English	Ms Maryam Ghaffari		Effect of EFL Teachers’ Experience and	Journal of Language and Translation	13	2	123-137	2023

				Effectiveness on Their EFL Students' Achievement					
1 3	Humanities	Dr.Ajitha Eswaramang alam	Prof. Samir Al Adawi, Aishwarya Ganesh, Lara Al- Harthi, Nasser Al Sibani	Epidemiological and Psychosocial Correlates of Cognitive, Emotional, and Social Deficits among Children and Adolescents in Oman: A Literature Review	Springer Nature:- Child Indicators Research	16	2	689– 716	2023
1 4	English	Dr. Rashid Hamed Al Azri		Fostering psycholinguistic Variables in Second Language Acquisition Using Resilience Educators' Model	Journal of Research & Methods in Education	12	6	47-54	2022
1 5	Eco & Bus	Dr Zaheer Ahmed Khan		Cognitive Learning Theory and Development: Higher Education Case Study	IntechOpen, Education - Annual Volume 2023	Annu al	1	-	2023
1 6	English	Mr. Adnan	Ms. Javarria Adnan	Cognitive Learning Theory and Development: Higher Education Case Study	IntechOpen, Education - Annual Volume 2023	Annu al	1	-	2023
1 7	Eco & Bus	Dr Varalakshmi		Benchmarking on Financial Performance of Select Banks in Sultanate of Oman: An application of CAMEL Criterion,	SPECIALUSIS UGDYMAS / SPECIAL EDUCATION 2022	2	43	1129- 1136	2022

2. List of Conference Publications

Sl. No	Department	Author	Additional Authors	Title	Conference Title	Year	Country
1	Computing & Informatics	Dr Saleem Basha	R. Dhanalakshmi, N.Vijayaragavan, V. Vasandha Kumar	A Logical Investigation of Stock Market Prediction and Analysis Using Supervised Machine Learning Algorithms	IEEE, International Conference on Networking and Communications	2023	India
2	Computing & Informatics	Dr Saleem Basha	R. Dhanalakshmi, N.Vijayaragavan, V. Vasandha Kumar	Password Manager with Multi-Factor Authentication	IEEE, International Conference on Networking and Communications	2023	India
3	Computing & Informatics	Diaa Salman, Nasser Al Musalhi ,Mehmet Kusaf, Erbug Celebi	Nasser Al Musalhi ,Mehmet Kusaf, Erbug Celebi	Integration of Electric Vehicle Charging Stations into the Unit Commitment Modeling	2022 11th International Conference on Power Science and Engineering (ICPSE)	2022	Turkey
4	Computing & Informatics	ALI ALWAHAIBI, Nasser Al Musalhi , Wan Azlan Bin Wan Hassan , Latifah Binti Abd Latib and Mohammed Almamari	Nasser Al Musalhi , Wan Azlan Bin Wan Hassan , Latifah Binti Abd Latib and Mohammed Almamari	CCTV Aware System due to Privacy Violation in Public Places	2nd International Multidiscipline Post-Graduate Conference (IMPC22)	2022	Malaysia
5	Computing & Informatics	Ms Gazala Yusufi	Dr. Irene Taguinod, Ms. Sanada Rashid Salim Al Maamari	Integrated System for Atika School	6th MEC Student Research Conference	2023	Oman
6	Computing & Informatics	Ms Gazala Yusufi	Dr. Irene Taguinod, Ms. Jawahir Mohammed Nasser Al Siyabi	Development of Samrt Petrol Station Prototype using IoT Technology	6th MEC Student Research Conference	2023	Oman

7	Computing & Informatics	Ms Gazala Yusufi	Dr. Irene Taguinod, Ms. Naba Abdallah Salim Al Sanidia	Development of Smart Home Prototype using IoT Technology	6th MEC Student Research Conference	2023	Oman
8	Computing & Informatics	Mr Mohammed Ahmed Al-Batahari		The Techniques in Enhancing Bandwidth Load Balancing QoS at Local Area Network: A Review Paper	8th International Visual Informatics Conference (IVIC23)	2023	Oman

3. List of Books published.

Sl. No	Department	Author Name	Title	Publisher	Year	ISBN
1	Computing & Informatics	Dr Saleem Basha	The Easy Intuition of Data Analysis: Supervised Algorithm Approach	Amazon and Amazon kindle	2023	9359060321

4. List of Students Publications

Sl No	Department	Authors	Title	Conference Title	Date	Year
1	Computing & Informatics	Sanada Rashid Salim Al Maamari, Ms. Gazala Yusufi, Dr. Irene Taguinod	Integrated Systems for Atika School	Middle East College Students Research Conference 2023	16th May 2023, Middle East College, Muscat	2023
2	Computing & Informatics	Jawahir Mohammed Nasser Al Siyabi, Ms. Gazala Yusufi, Dr. Irene Taguinod	Development of Smart Petrol Station Prototype using IoT Technology	Middle East College Students Research Conference 2023	16th May 2023, Middle East College, Muscat	2023
3	Computing & Informatics	Naba Abdallah Salim Al Sanidia, Ms. Gazala Yusufi, Dr. Irene Taguinod	Development of Smart Home Prototype using IoT Technology	Middle East College Students Research Conference 2023	16th May 2023, Middle East College, Muscat	2023
4	Humanities	Rutuja Tipinis, Fatimah Zahrah, Maitha Al Hawaii, Al-Zahraa Al-Hadhrami, Maryam Mohammed Al Harthy, Hajar Saleh	Body Dismorphic Disorders and its Correlates with Social	International Student Research Colloquium held at Dubai (MAHE)	17th May 2023, Dubai, UAE	2023

			Anxiety among Omani Youth			
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5. Activities Organized/Contributed/Conducted

Sl. No	Workshops / Seminar / Training Program	Title	Conducted by (Name of the Staff)	Department	Targeted Audience	Date	In Campus / Out Campus
1	Seminar	Leadership & Team Building	Ms. Gazala Yusufi	Computing & Informatics	Students	16th March 2023	Out Campus
2	Workshop	Time Management (Challenges)	Faiza Amir	Economics and Business Studies	Faculty/Staff/Students	12th April 2023	In Campus
3	Workshop	Statistical Skills	Shamsher Khan	Economics and Business Studies	Faculty/Staff	30th March 2023	In Campus
4	Symposium	Psychological Wellbeing	Mr. Shadhan, Dr. Ajitha, Dr. Jameela, and Ms. Ruqiya	Humanities Department	Faculty/Staff	11th May 2023	In Campus
5	workshop\ training program	Microsoft Teams	Mohammed Al batahari	I T Services	Faculty/Staff	2/6/2023	In Campus
6	Workshop	Mendely Referencing	Mr. Nasser Al Mushali	Computing & Informatics	Faculty	March 2023	In Campus
7	Workshop	Introduction to Maya	Dr.Irene	C&I Faculty	Faculty	December 8,2022	In Campus
8	Workshop	Arduinos. and Sensors	Dr Saleem Basha	Faculties and Students	Faculty/Staff/Students	2022	In Campus
9	Workshop	AI & Its Applications	Mr.Abdul Muqtadir	C& I Faculty	Faculty	2023	In Campus

F. Awards and Recognitions

1. Awards and Recognitions for Staff

#	Name of the Faculty	Awarded/Recognized for	Awarded/Recognized by	Date
1	Dr Saleem Basha	Research Excellence Award	Deanship	30.01.2023

G. Our Focus for the Upcoming Academic Year 2022-2023

- a. Promote research activities.
- b. Generate research funds.

Any additional accomplishments, concerns, or requirements you'd want to mention?

Research Collaboration with industries and HEIs